BRF plus Flat Rule - SAP Access Control Integration

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How to create an Initiator BRF+ Flat Rule

Purpose

Purpose of this document is to explain the functionality of BRF+ rule and it's integration with GRC.

Overview

Below document detail explains how to create a BRF + Flat Rule for Access Request MSMP Workflow. BRF+ Flat rule allows people without development skills to easily create complex rules for triggering workflows. Pre-requisite to create this is that you have already a working MSMP workflow configured.

Creating a Rule

Go to IMG. GRC -> Access Control -> Workflow for Access Control -> Workflow-Related MSMP Rules

1. Choose the MSMP Process ID you want to link the rule to. For example: SAP_GRAC_ACCESS_REQUEST
2. Select rule type BRF+ Flat Rule
3. Select rule kind Initiator Rule
4. Give a name to the Rule ID. For example: Z_BRF_INITIATOR
5. Give a name to the Application/Func. Group name.

6. Make sure both "Generate Rule" and "Gen. Rule Work-area" are selected. Click in the Input box for “Override BRF+ Application Tex” and click Enter.
7. You will get the option to create the decision table.
8. Select the attributes for the Decision Table.
9. Select "Validate Rule Execution" and “Add Initial Line to the Line Items” and run the program.
10. A rule should be created successfully.

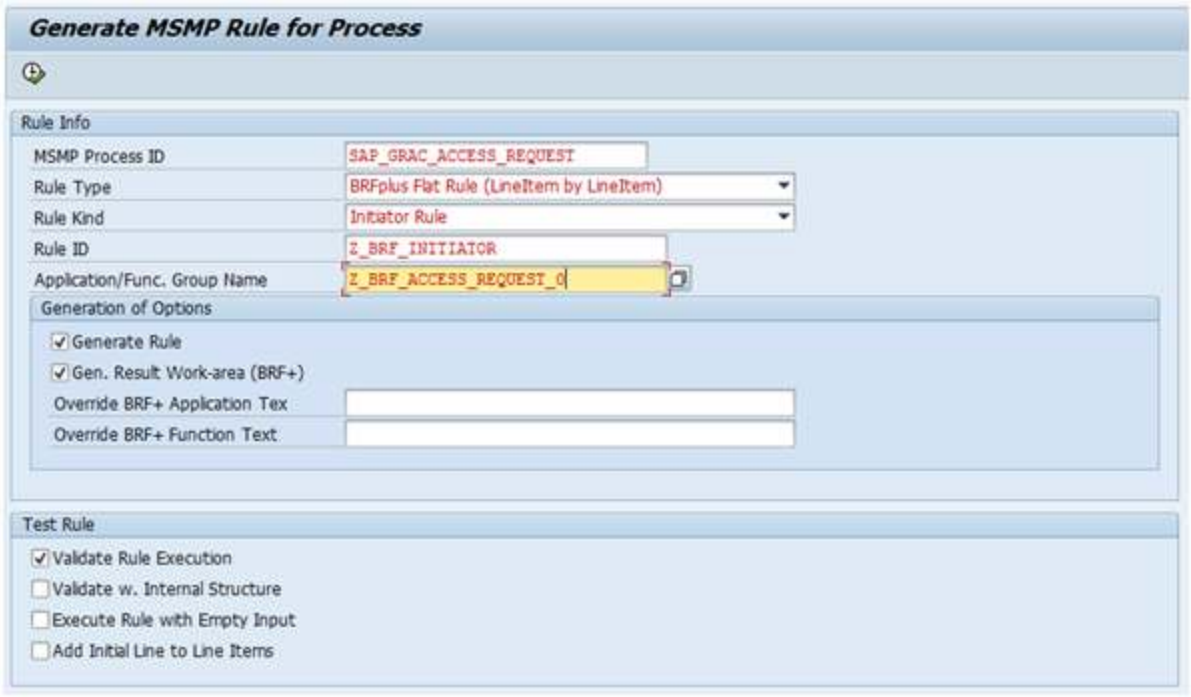

FIGURE 1

Note: Specify nay name for the BRF Application. It is recommended to start the Application Name by Z.

Customizing the Rule

For customizing the rule, you need to follow the following steps.

1. Go to IMG. GRC -> Access Control -> Workflow for Access Control -> Define Business Rule Framework
2. Navigate to the Application ID you just created.

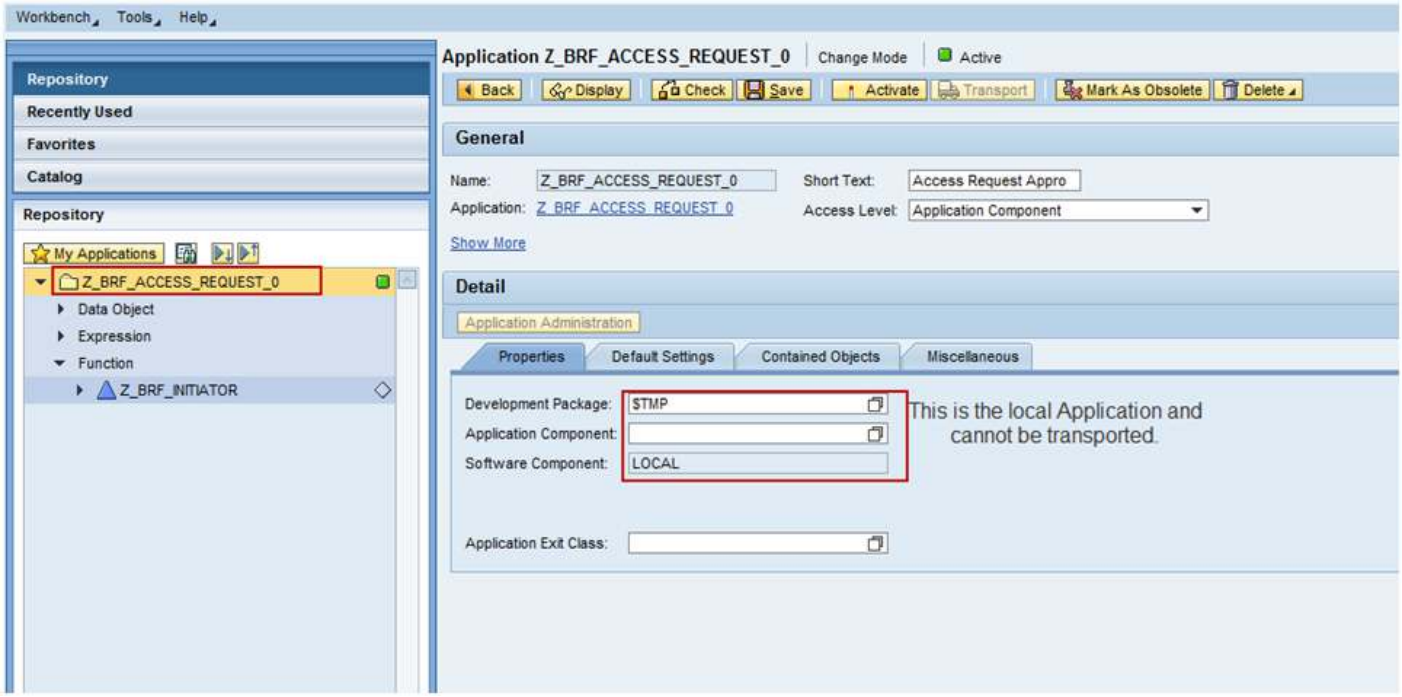

FIGURE 2

3. Copy the object and assign the development package to the same

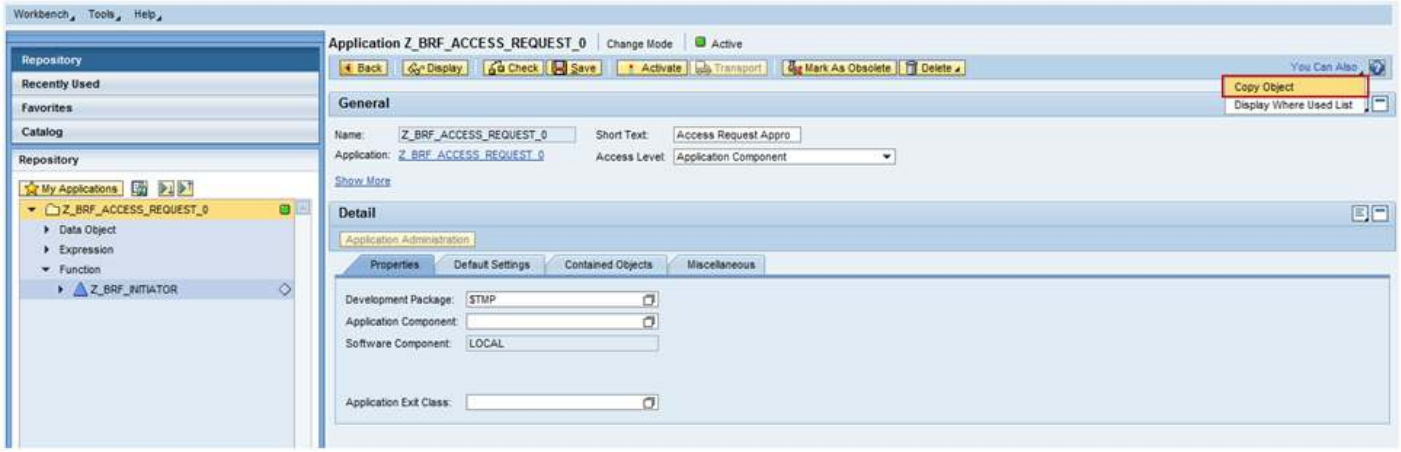

FIGURE 3

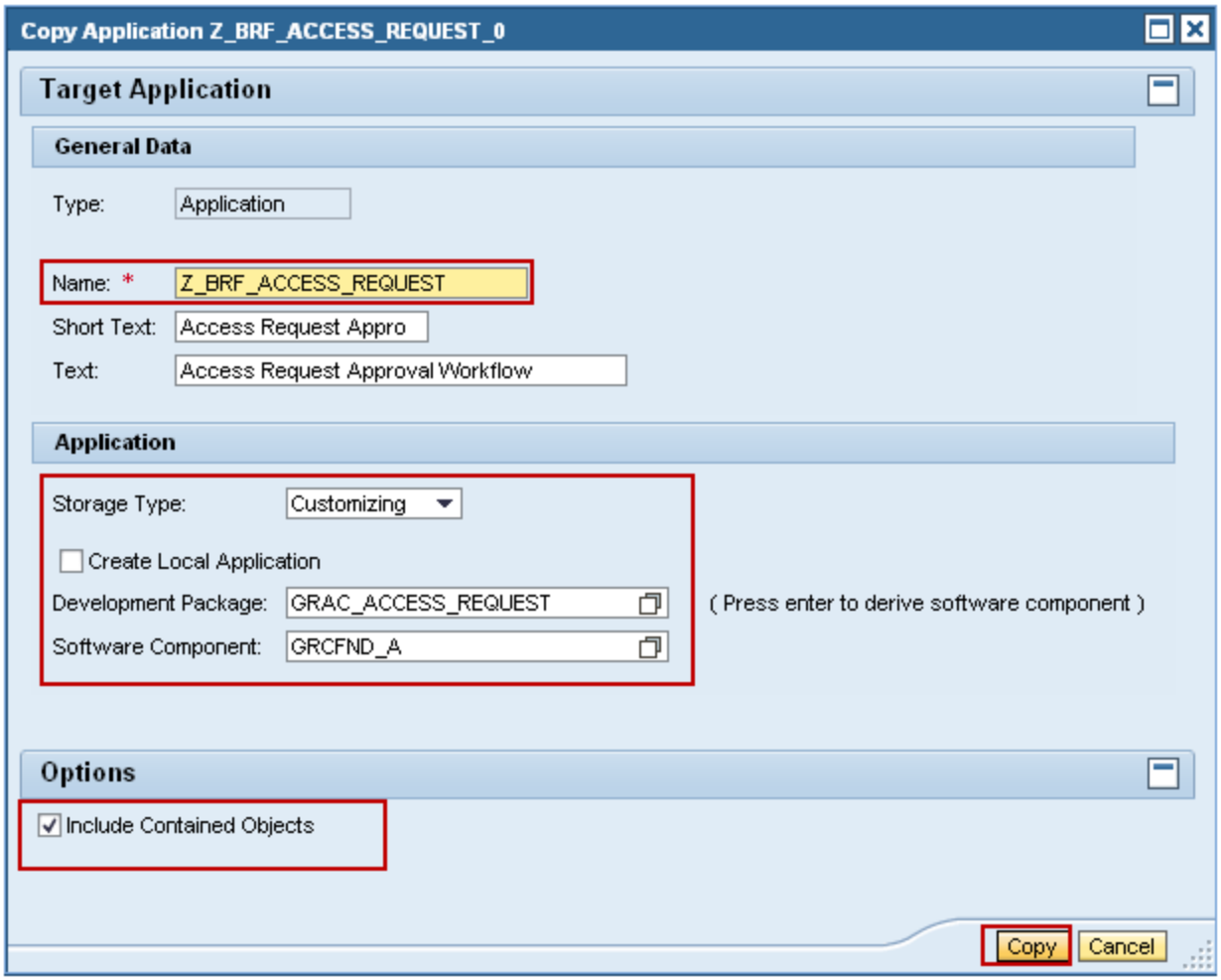

FIGURE4

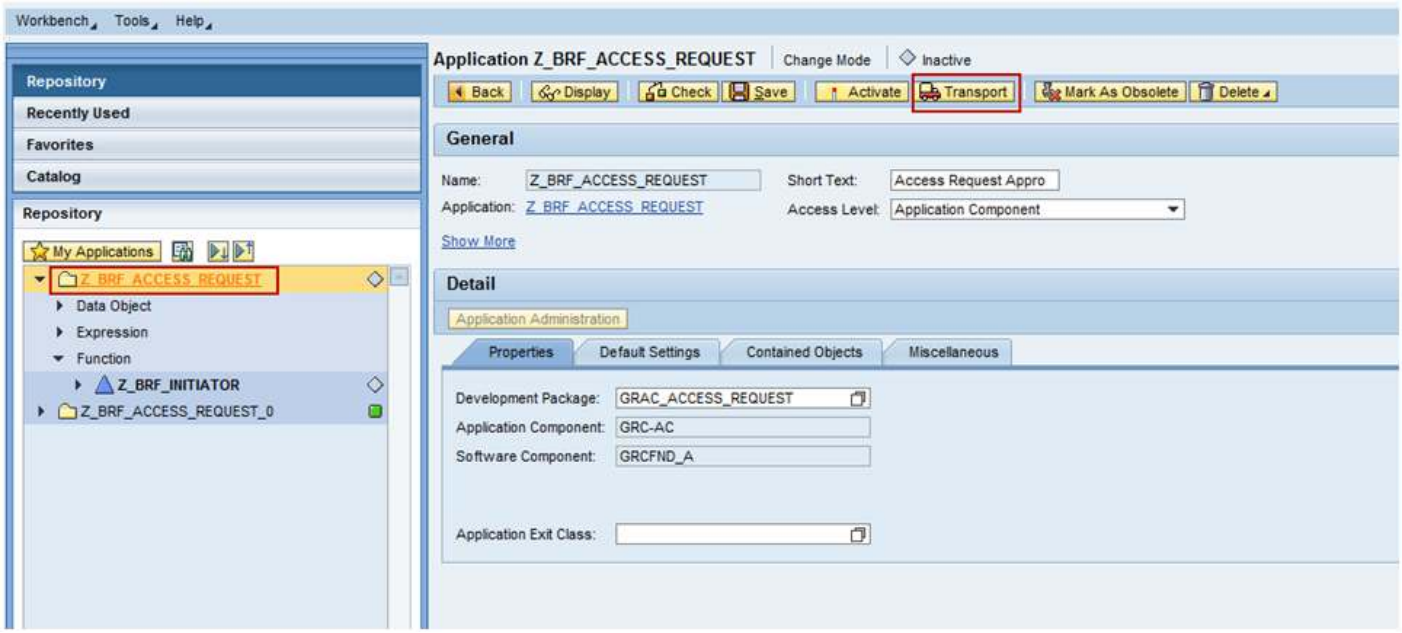

FIGURE 5

Note: We are doing this step to ensure that the BRF Rule we are creating is transportable. We can delete the local object if not required.

4. Expand the rule ID until you find the RULE ID previously created.

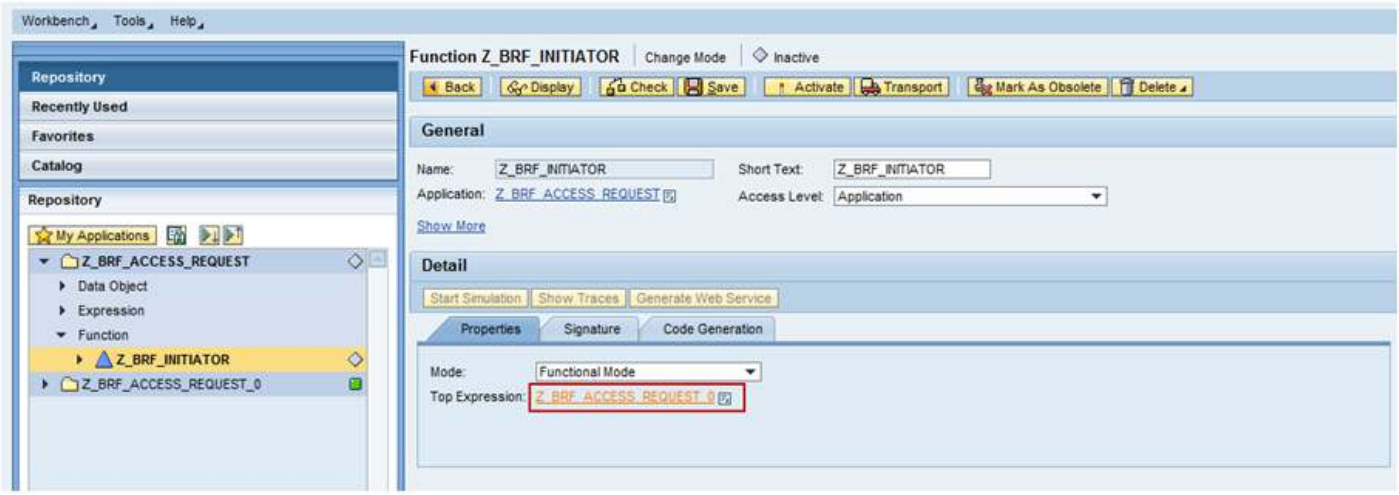

FIGURE 6

5. Click and create the Decision table in the Top Expression and you will get the Decision Table created earlier.

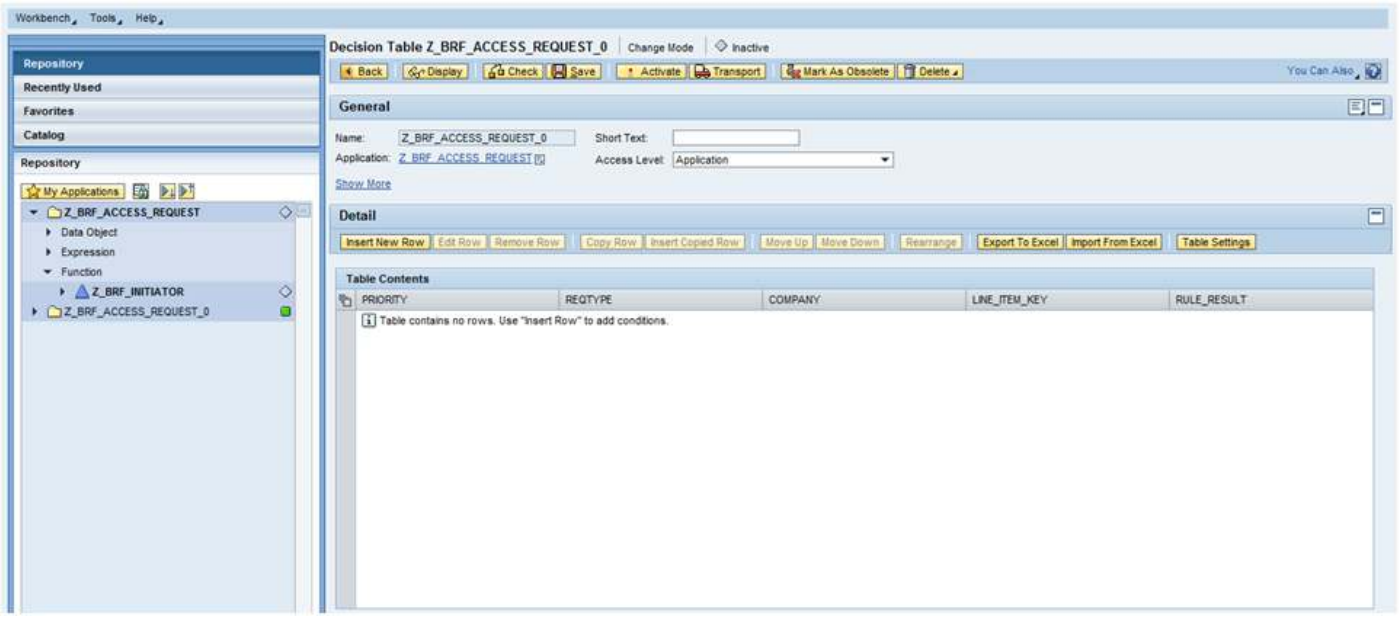

FIGURE 7

Insert as many rows as required. Each line will match a specific condition based on request attributes depending on the columns you selected. Each line will be mapped to a path in the MSMP Workflow configuration, make sure you give it a unique result value in the column RULE_RESULT.

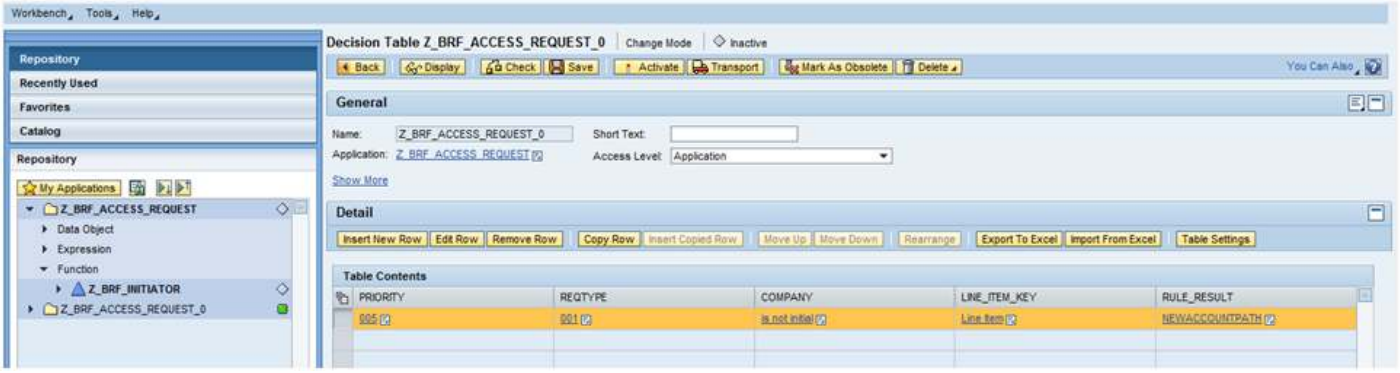

FIGURE 8

In the above example, we have chosen the Direct Value Input after selecting the icon at each cell of the table. Once you have typed in all different conditions including the result values in the decision table click on Save and then Activate

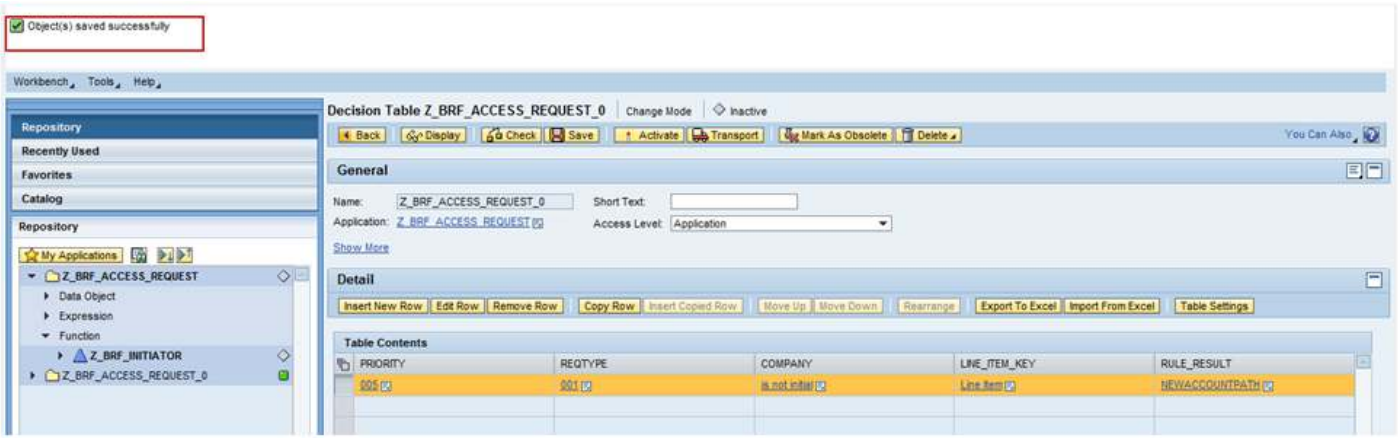

FIGURE 9

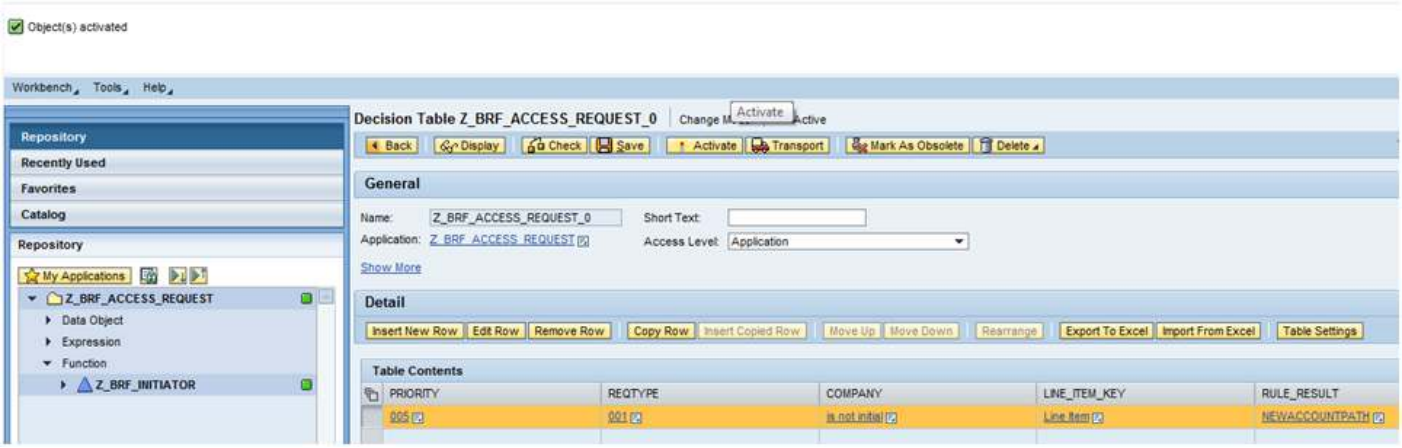

FIGURE 10

Now navigate to the function and click on Save then Activate.

FIGURE 11

The function, Application and the decision table should be marked with a green light.

Navigate to the function and click on "Show More", then take note of the ID string as this will be used later when configuring the process ID with the new rule.

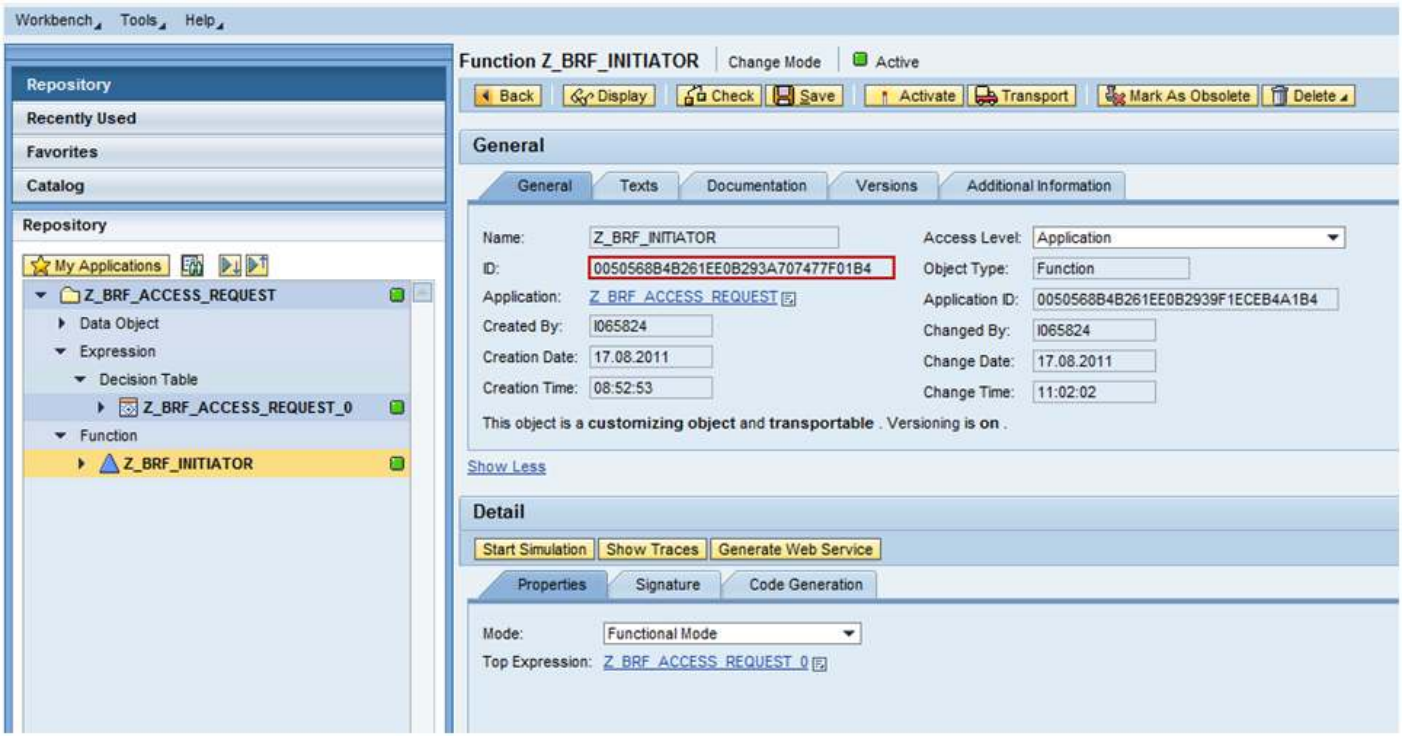

FIGURE 12

Configuring MSMP Workflow

Go to IMG. GRC -> Access Control -> Workflow for Access Control -> Maintain MSMP Workflow

Select the process ID used when creating the rule and click on "Display/Change" and go to stage Maintain Rules.

Add the new rule ID to the list of rules (use the long string ID, not the rule name) – 0050568B4B261EE0B293A707477F01B4 (in our example)

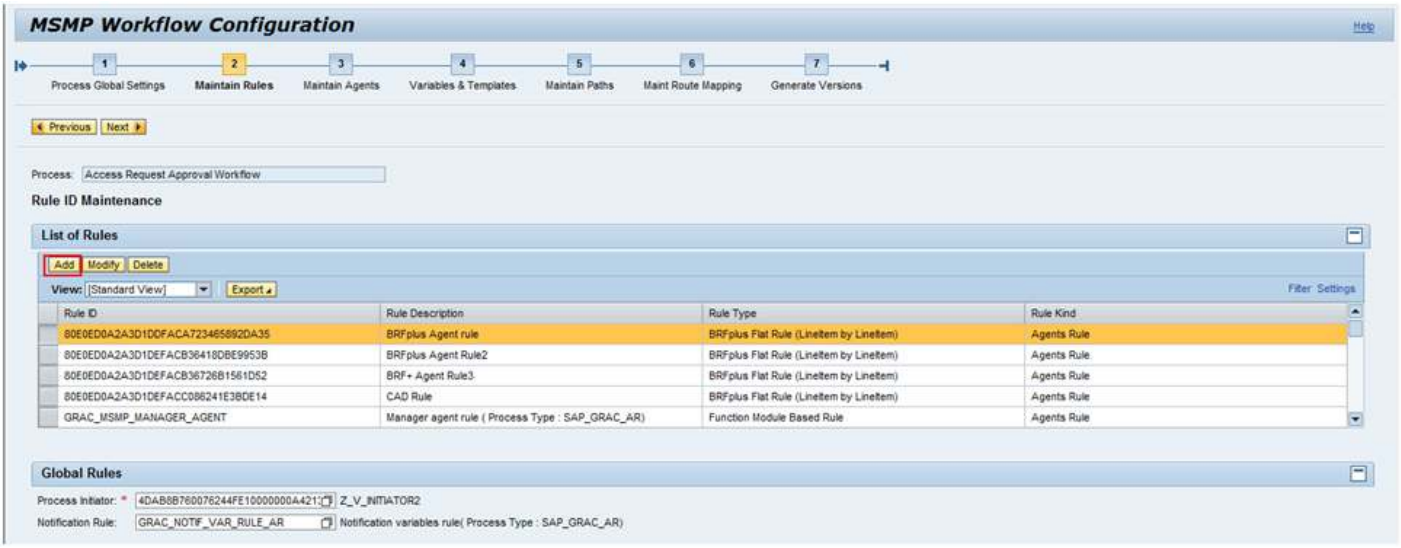

FIGURE 13

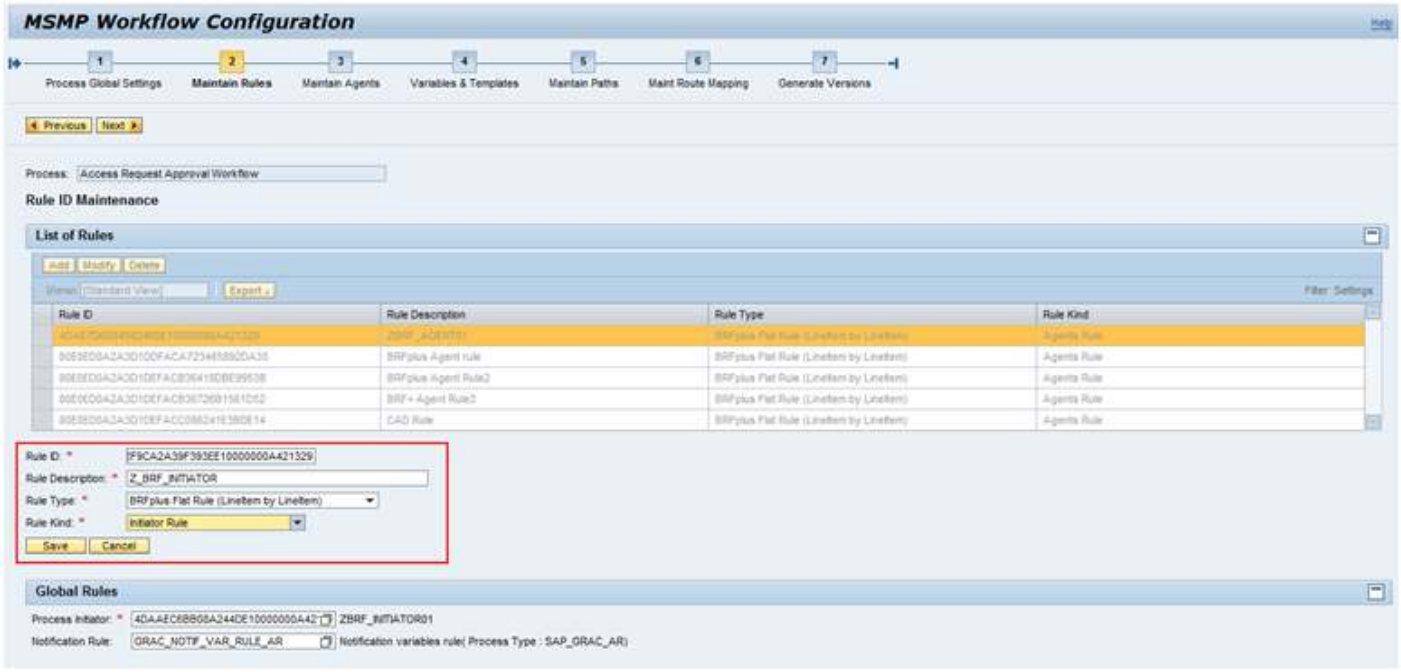

FIGURE 14

Search the Rule ID you have created now in the Table – List of Rules. Select the respective row and then click on results and add all possible rule result values as configured in the decision table in column RULE_RESULT.

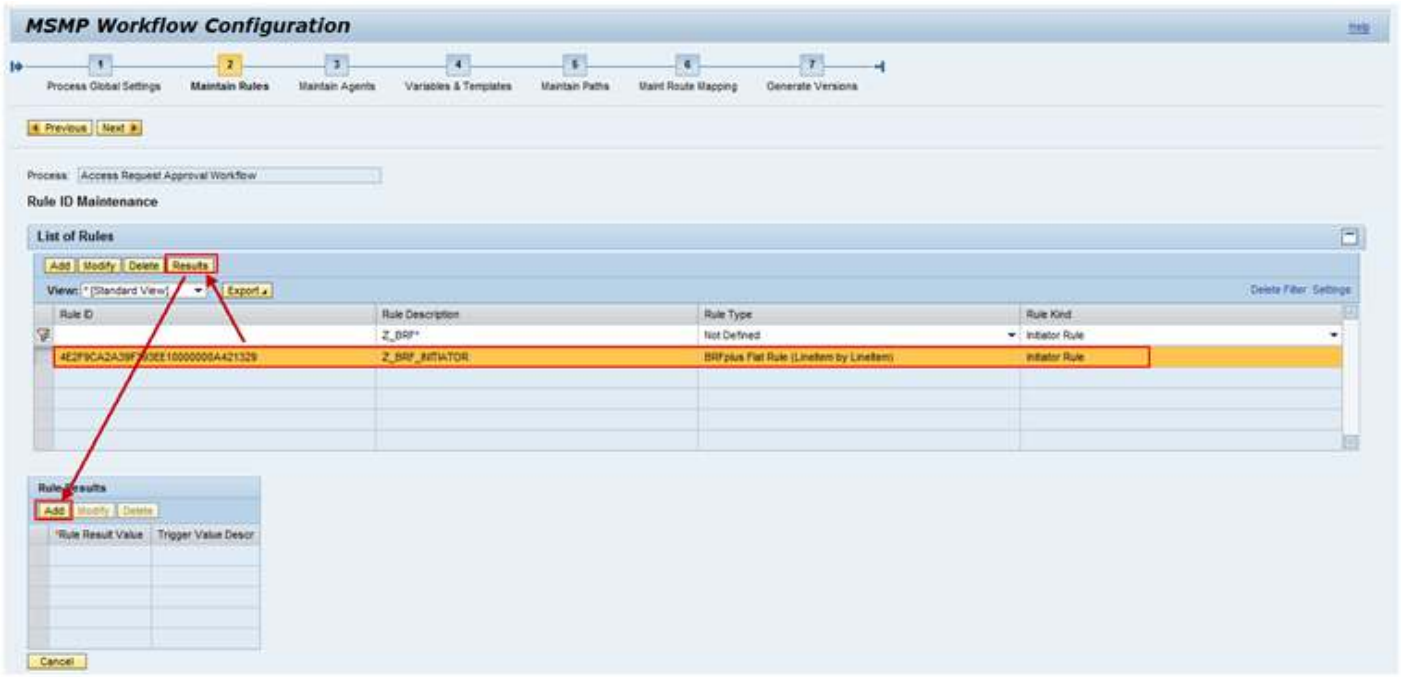

FIGURE 15

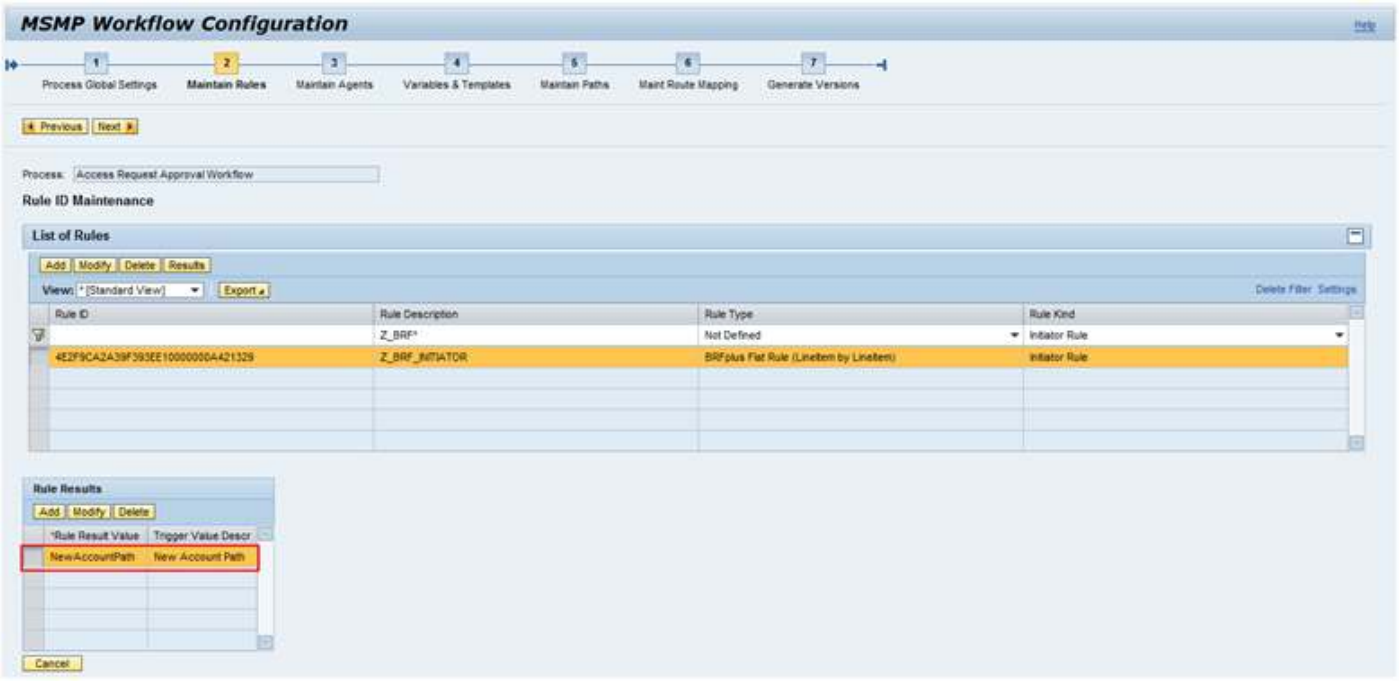

FIGURE16

Under Global Rules change the initiator to the new rule ID.

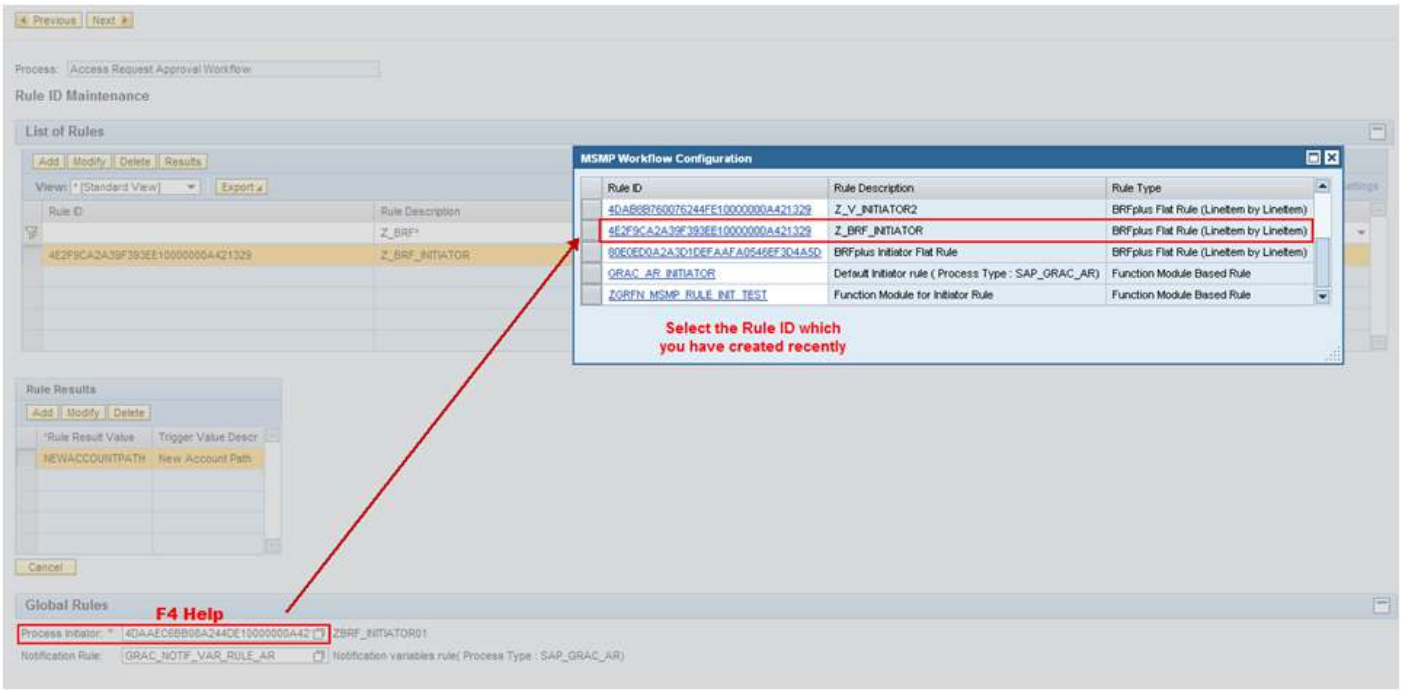

FIGURE 17

Go to stage Maintain Paths and make sure you have created all required paths to be linked to the initiator

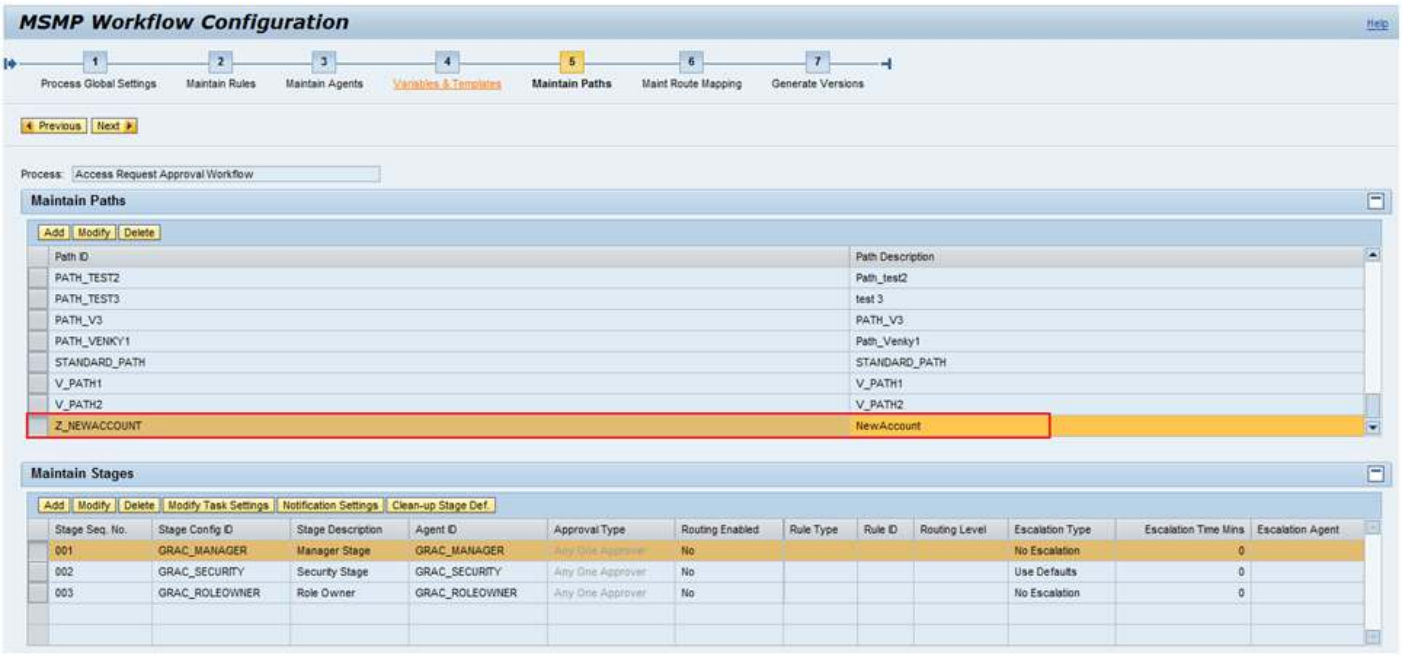

FIGURE 18

Go to stage Maintain Route Mapping and add an entry for each path you want to trigger using the initiator. Notice that the rule ID is always the rule ID configure as Global Rule in stage Maintain Rules. Also the Rule Result value must match that of the decision table and configured in step 4.

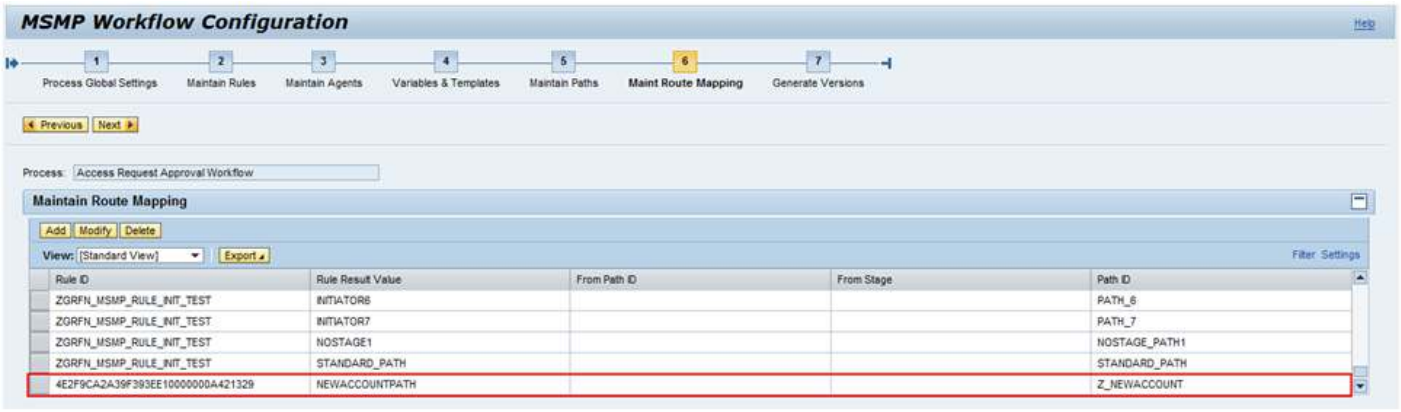

FIGURE 19

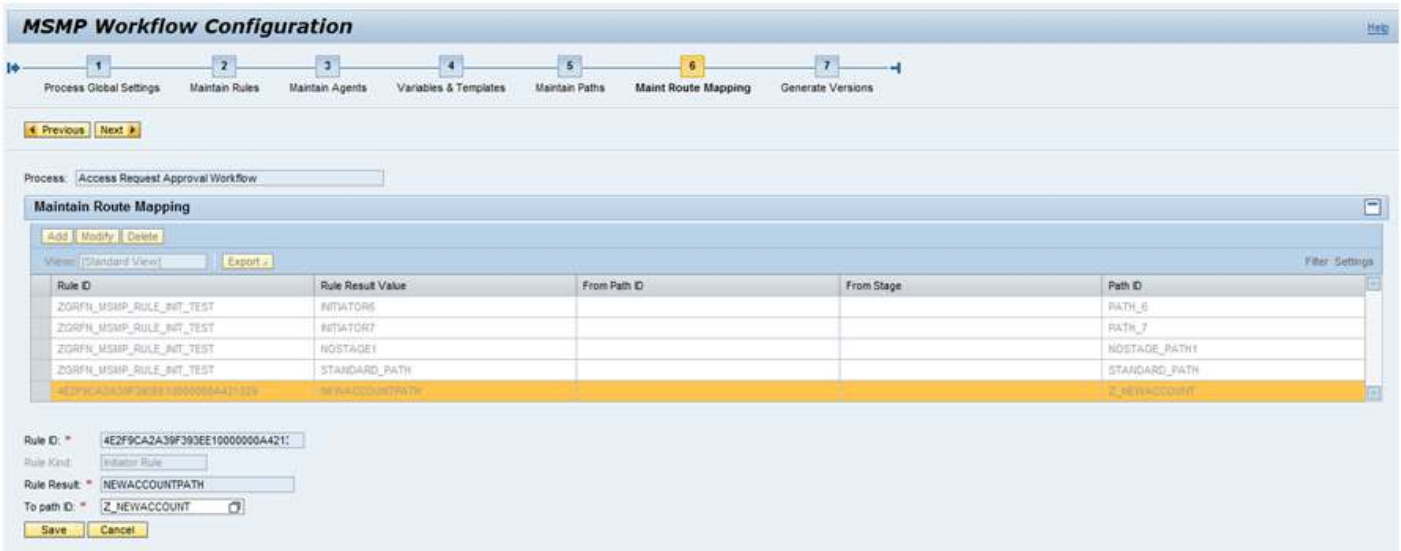

FIGURE 20

Generate the MSMP Workflow

Now you should be able to create a request and it will be routed according to the mapping configured and the decision table created.

Note:

The result values from the BRF+ Initiator rules must be unique across rules

The BRF+ rules are matched in order from top to bottom.

Only the Global Initiator can be mapped to paths, meaning there will be only one Initiator per Process ID

Related Content

Related Notes

1624157: GRC 10.0 How to transport MSMP BRF+ rules

1604296: GRC 10.0 BRM shows Default methodology while Role

1637515 - GRC 10.0 - Not able to find the pre delivered BRF+ rules.